



Expert Systems: Applications of Business Intelligence in Big Data Environments

Guest Editors:

Dr. Mohamed Elhoseny

Dr. Xiaohui Yuan

Prof. Dr. M. Kabir Hassan

Dr. Noura Metawa

Deadline for manuscript
submissions:

closed (20 October 2018)

Message from the Guest Editors

In order to reduce the risk of human mistakes in financial domains, expert systems have gained a great advantage in big data environments. In addition to their efficiency in quantitative analyses, such as profitability, banking management, and strategic financial planning, expert systems have successfully treated qualitative issues, including financial analysis, investments advisories, and knowledge-based decision support systems. Recently, expert systems with explanation for decision making can achieve a high accuracy rate to support financial institutions in a highly volatile climate. It is being promoted by the software engineering community to use such systems as the adequate solution to handle the current requirements of complex big data processing problems that demanding distribution, flexibility, and robustness.

The overall aim of this Special Issue is to collect state-of-the-art research findings on the latest development, up-to-date issues, and challenges in the field of expert systems for business intelligence and big data analytics in financial applications.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)